MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Universal Forest Products, Inc.
10300 NW 121 Way
Medley, Florida 33178

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Trap-Loc Wood Siding

APPROVAL DOCUMENT: Drawing No. none, titled "Trap-Loc Siding", sheets 1 through 5 of 5, dated April 16, 2014, prepared by Farley Engineering, LLC, signed and sealed by Frank W. Farley, P.E., on April 16, 2014, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**

MIAMI-DADE COUNTY APPROVED

05/01/2014

NOA No. 14-0127.11
Expiration Date: 05/01/2019
Approval Date: 05/01/2014

Universal Forest Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. none, titled "Trap-Loc Siding", sheets 1 through 5 of 5, dated April 16, 2014, prepared by Farley Engineering, LLC, signed and sealed by Frank W. Farley, P.E., on April 16, 2014.*

B. TESTS

1. *Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94*
   2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of Trap Loc Bevel Lap Siding, prepared by Fenestration Testing Laboratory, Inc., Test Report No. 7549, dated 10/24/2013, signed and sealed by Marlin D. Brinson, P.E.

C. CALCULATIONS ***"Submitted under NOA # 08-0922.07"***

1. *Wind Load Calculations Allowable Stress Design, dated 01/06/2014, prepared by Farley Engineering, LLC, signed and sealed by Frank W. Farley, P.E.*

D. QUALITY ASSURANCE

1. *Miami-Dade Department of Regulatory and Economic Resources (RER).*

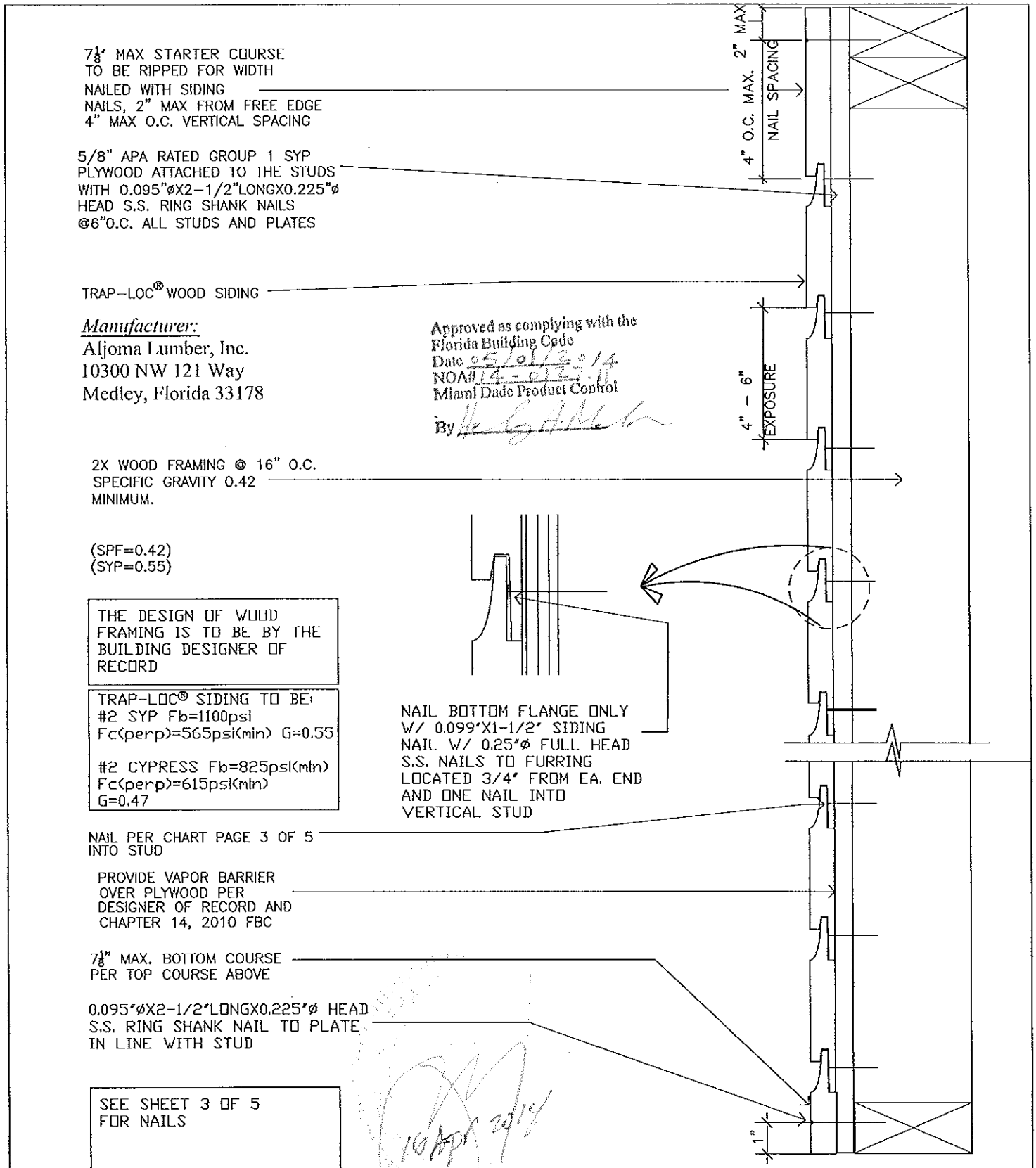
E. MATERIAL CERTIFICATIONS

1. *Certificate of Inspection, Certificate # CT130911, dated 10/16/2013.*

F. STATEMENTS

1. *Statement letter of code conformance to 2010 FBC and no financial interest, dated 01/06/2014, issued, signed and sealed by Frank W. Farley, P.E.*

Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 14-0127.11
Expiration Date: 05/01/2019
Approval Date: 05/01/2014



Manufacturer:
Aljoma Lumber, Inc.
10300 NW 121 Way
Medley, Florida 33178

Approved as complying with the
Florida Building Code
Date 5/01/14
NOA# 14-0212.11
Miami Dade Product Control
By

THE DESIGN OF WOOD FRAMING IS TO BE BY THE BUILDING DESIGNER OF RECORD

TRAP-LOC® SIDING TO BE:
#2 SYP Fb=1100psi
Fc(perp)=565psi(min) G=0.55

#2 CYPRESS Fb=825psi(min)
Fc(perp)=615psi(min)
G=0.47

SEE SHEET 3 OF 5
FOR NAILS

APPLICATION TO
WOOD FRAMING

DESIGN CONFORMS TO:
2010 FLORIDA BUILDING CODE RESIDENCTIAL SECTION 703.1.2
2010 FLORIDA BUILDING CODE CHAPTERS 16 AND 23
NATIONAL DESIGN STANDARDS NDS 2005
ASCE 7-10 SEC 29.4.2 AND CHAPTER 30

FRAME WALL DETAIL 16 APR. 2014 SCALE 3" = 1'-0" Sheet 1 of 5	TRAP-LOC® SIDING U.S. PATENT 7,712,277 B2 WOOD FRAMING DETAIL	FARLEY ENGINEERING, LLC. Consulting Engineer #40111 - CA28108 8800 N. U.S. #1, Suite #2 , Sebastian, Florida 32958 (772) 589.6229 (772) 589.2296 fax

7⅛" MAX STARTER COURSE TO BE RIPPED FOR WIDTH. NAILED TO FURRING @ 4"O.C. MAX VERTICAL SPACING

TRAP-LOC®WOOD SIDING

Manufacturer:
Aljoma Lumber, Inc.
10300 NW 121 Way
Medley, Florida 33178

GROUTED OR HOLLOW CMU CONFORMING TO ASTM C-90 TO BE BY THE BUILDING DESIGNER OF RECORD

2X4 LAID FLAT #2 SYP PRESSURE TREATED FURRING @ 16" OC

0.099"ø X 1-1/2" S.S. SIDING NAIL WITH 1/4"ø FULL HEAD NAILS TO FURRING LOCATED 3/4" FROM EA. END AND ONE NAIL INTO FURRING

NOTE: USE ONE NAIL EACH PIECE OF SIDING AT SIDING JOINTS FOR ALL DESIGN PRESSURES IN CHART

TRAP-LOC ®SIDING TO BE:
#2 SYP Fb=1100psi
Fc(perp)=565psi(min) G=0.55

#2 CYPRESS Fb=825psi(min)
Fc(perp)=615psi(min) G=0.47

NAIL BOTTOM FLANGE ONLY

2" MAX

4" MAX.

1" MIN

TITEN SCREW OR HILTI PIN SPACING PER CHART

PAGE 3 OF 5

Approved as complying with the Florida Building Code
Date 05/12/2014
NOA# 14-0127.11
Miami Dade Product Control
By

SIMPSON TITEN SCREW OR HILTI UNIVERSAL KNURLED SHANK X-U POWER PIN 0.157" X 1" EMBED INTO CMU (NOT WITHIN 1" OF BED OR HEAD JOINT) SPACE PER TABLE

4" – 6" EXPOSURE

7⅛" MAX BOTTOM COURSE PER STARTER COURSE ABOVE ATTACHED W/ 0.095"øX2-1/2" LONGX0.225"ø HEAD S.S. RING SHANK NAIL AT EA. FURRING STRIP

1"

APPLICATION TO PRESSURE TREATED FURRING ON CMU

DESIGN CONFORMS TO:
2010 FLORIDA BUILDING CODE RESIDENTIAL SECTION 703.1.2
2010 FLORIDA BUILDING CODE CHAPTERS 16 AND 23
NATIONAL DESIGN STANDARDS NDS 2005
ASCE 7-10 SEC 29.4.2 AND CHAPTER 30

CMU WALL DETAIL 16 APR. 2014 SCALE 3" = 1'-0" Sheet 2 of 5	TRAP-LOC®SIDING U.S. PATENT 7,712,277 B2 CMU WALL ATTACHMENT	FARLEY ENGINEERING, LLC. Consulting Engineer #40111 – CA28108 8800 N. U.S. #1, Suite #2 , Sebastion, Florida 32958 (772) 589.6229 (772) 589.2296 fax

Manufacturer:
Aljoma Lumber, Inc.
10300 NW 121 Way
Medley, Florida 33178

ASCE 7-10
MEAN ROOF HEIGHT 30'
ENCLOSED GCpi +/- 0.18
DESIGN PRESSURE (NOMINAL)
MAXIMUM ALLOWABLE NOMINAL DESIGN PRESSURE = +/-77.7 PSF

NOMINAL D.P. +/- PSF	HILTI X-U	TITEN 1/4" STEEL	TITEN 1/4" STAINLESS STEEL	TITEN 3/16" STEEL
77.7	8" O.C.	14" O.C.	12" O.C.	10" O.C.
73.5	8" O.C.	15" O.C.	13" O.C.	11" O.C.
69.4	9" O.C.	15" O.C.	14" O.C.	11" O.C.
62.9	10" O.C.	17" O.C.	15" O.C.	13" O.C.
59.6	10" O.C.	18" O.C.	16" O.C.	14" O.C.
56.2	11" O.C.	19" O.C.	17" O.C.	14" O.C.
51.8	12" O.C.	21" O.C.	19" O.C.	15" O.C.
50.4	12" O.C.	21" O.C.	19" O.C.	16" O.C.
49.8	12" O.C.	22" O.C.	19" O.C.	16" O.C.
42.0	15" O.C.	26" O.C.	23" O.C.	19" O.C.

ATTACHMENT CHART FOR #2SYP FURRING STRIPS TO ASTM C-90 CMU

TRAP-LOC ®SIDING TO BE
#2 SYP Fb=1100psi
Fc(perp)=565psi(min) G=0.55

#2 CYPRESS Fb=825psi(min)
Fc(perp)=615psi(min) G=0.47

ASCE 7-10
MEAN ROOF HEIGHT 30'
ENCLOSED GCpi +/- 0.18
DESIGN PRESSURE (NOMINAL)

NAIL .099" X 2-1/2"	#2 SYP STUD	#2 SPF STUD
PSF +/-	88	84.5
DESIGN OF STUDS AND PLYWOOD BY BUILDING ENGINEER OF RECORD DESIGN PRESSURES ARE FOR SIDING ONLY		

MAXIMUM DESIGN WIND/PRESSURE FOR ATTACHMENT TO WOOD STUDS

Approved as complying with the Florida Building Code
Date 05/01/2014
NOA# 14-0127.11
Miami Dade Product Control
By

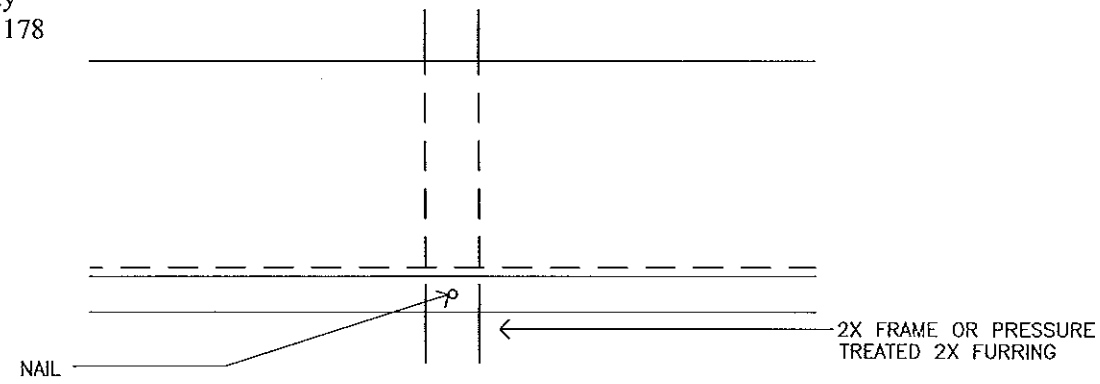
16 Apr 2014

CHART MAY BE USED FOR OTHER WIND SPEEDS, EXPOSURES, AND MEAN ROOF HEIGHTS AS LONG AS NOMINAL PRESURES LISTED ARE NOT EXCEEDED.

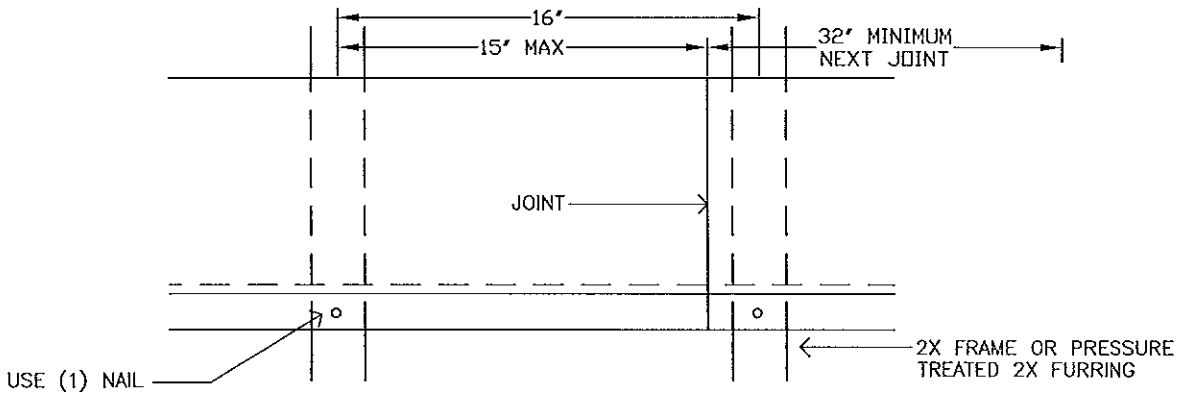
TRAP-LOC®SIDING PROFILES
TRAP-LOC®V-JOINT
TRAP-LOC®DOUBLE BEADED CEILING
TRAP-LOC®WP-04
TRAP-LOC®WP-11
TRAP-LOC®BEVEL LAP
TRAP-LOC®105 DROP

FRAME WALL DETAIL 16 APR. 2014 SCALE 3" = 1'-0" Sheet 3 of 5	TRAP-LOC®SIDING U.S. PATENT 7,712,277 B2 FURRING ATTACHMENT CHART & WOOD FRAMING CHART	FARLEY ENGINEERING, LLC. Consulting Engineer #40111 - CA28108 8800 N. U.S. #1, Suite #2 , Sebastian, Florida 32958 (772) 589.6229 (772) 589.2296 fax

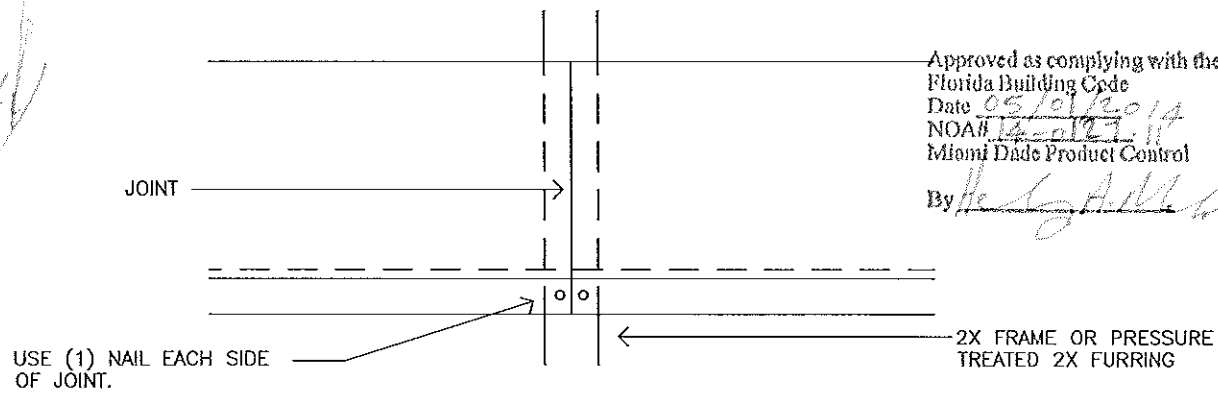
Manufacturer:
Aljoma Lumber, Inc.
10300 NW 121 Way
Medley, Florida 33178



TYPICAL TRAP-LOC® SIDING ATTACHMENT TO 2X FURRING OR 2X FRAME



* BUTT JOINTS BETWEEN FRAMING & FURRING DO NOT HAVE TO BE NAILED. AT BUTT JOINTS USE AN ADHESIVE CAULK



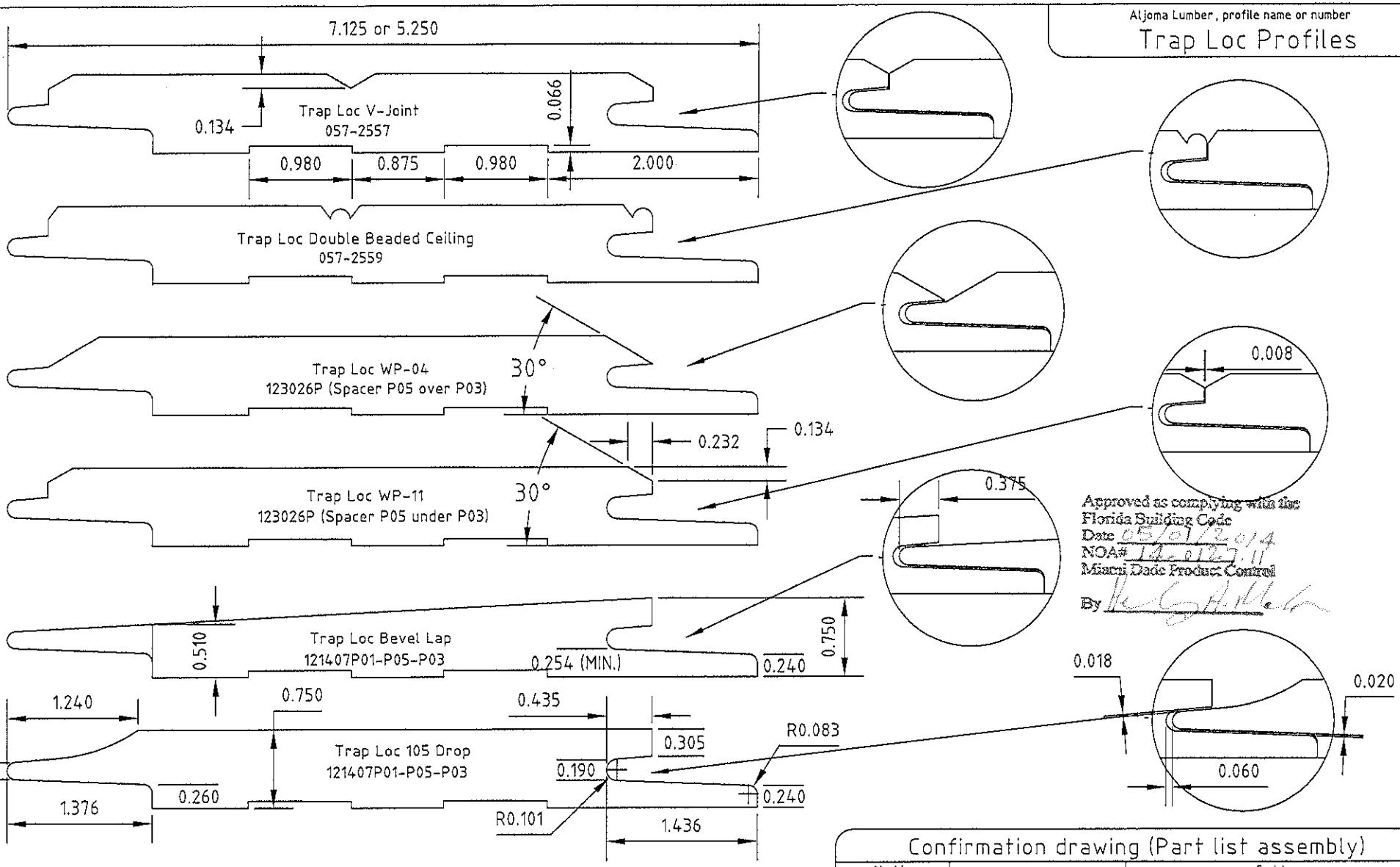
Approved as complying with the Florida Building Code
Date 05/01/2014
NOA# 14-0121.14
Miami Dade Product Control
By

TYPICAL TRAP-LOC® ATTACHMENT AT VERTICAL JOINT ALL WIND SPEEDS AND EXPOSURES SHOWN ON CHART PAGE 3 OF 5

FRAME WALL DETAIL 16 APR. 2014 SCALE 3" = 1'-0" Sheet 4 of 5	TRAP-LOC® SIDING U.S. PATENT 7,712,277 B2 FURRING ATTACHMENT & WOOD FRAMING	FARLEY ENGINEERING, LLC. Consulting Engineer #40111 – CA28108 8800 N. U.S. #1, Suite #2 , Sebastian, Florida 32958 (772) 589.6229 (772) 589.2296 fax

Aljoma Lumber, profile name or number

Trap Loc Profiles



FARLEY ENGINEERING LLC

Consulting Engineer #40111 – CA28108

8800 N. U.S. #1, Suite #2, Sebastian, Florida 32958

(772) 589.6229 (772) 589.2296 fax

Sheet 5 of 5

16 Apr 14

Confirmation drawing (Part list assembly)

Machine	
Target rpm	
Tool maximum rpm	
Vc rim speed	
Target feed	
Chip load	
Machine max. weight	
Tool body material	

NAP GLADU

Tel.: Local (450)460-4481
1-800-363-9117

Fax.: Local (450)460-2655
1-888-660-2655

Sent to:
-
Aljoma Lumber
117133
-

Salesman:	Designer:
Glenn Beyke (JMB)	Francis Bergeron

Wood profiles

Quote #:	Date:
-	04-16-2014
Tool #: 121407	Revision # 1